

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C DATE: June 5, 2019

TOPIC/TITLE: Energy Management Report

PRESENTER: Amy Smith

ORIGIN:

- ☒ TOPIC PRESENTED FOR INFORMATION ONLY (No board action required.)
- ☐ ACTION REQUESTED AT THIS MEETING
- ☐ ITEM IS ON THE CONSENT AGENDA FOR APPROVAL
- ☐ ACTION REQUESTED AT FUTURE MEETING: (DATE)
- ☐ BOARD REVIEW REQUIRED BY

- ☐ STATE OR FEDERAL LAW OR REGULATION
- ☐ BOARD OF EDUCATION POLICY
- ☐ OTHER:

PREVIOUS REVIEW, DISCUSSION OR ACTION:

- ☐ NO PREVIOUS BOARD REVIEW, DISCUSSION OR ACTION
- ☐ PREVIOUS REVIEW OR ACTION

- ☐ DATE:
- ☐ ACTION:

BACKGROUND INFORMATION:

SUMMARY OF MAJOR ELEMENTS:

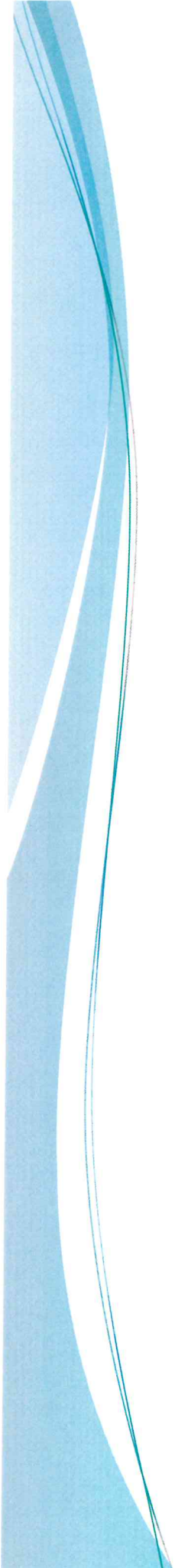
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

May 2019

Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$121,281	\$121,281
Rate Change Savings Current Year		\$24,186	\$24,186
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$288,257	\$288,257
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$1,381		\$1,381
Total	\$51,268	\$1,908,586	\$1,959,854

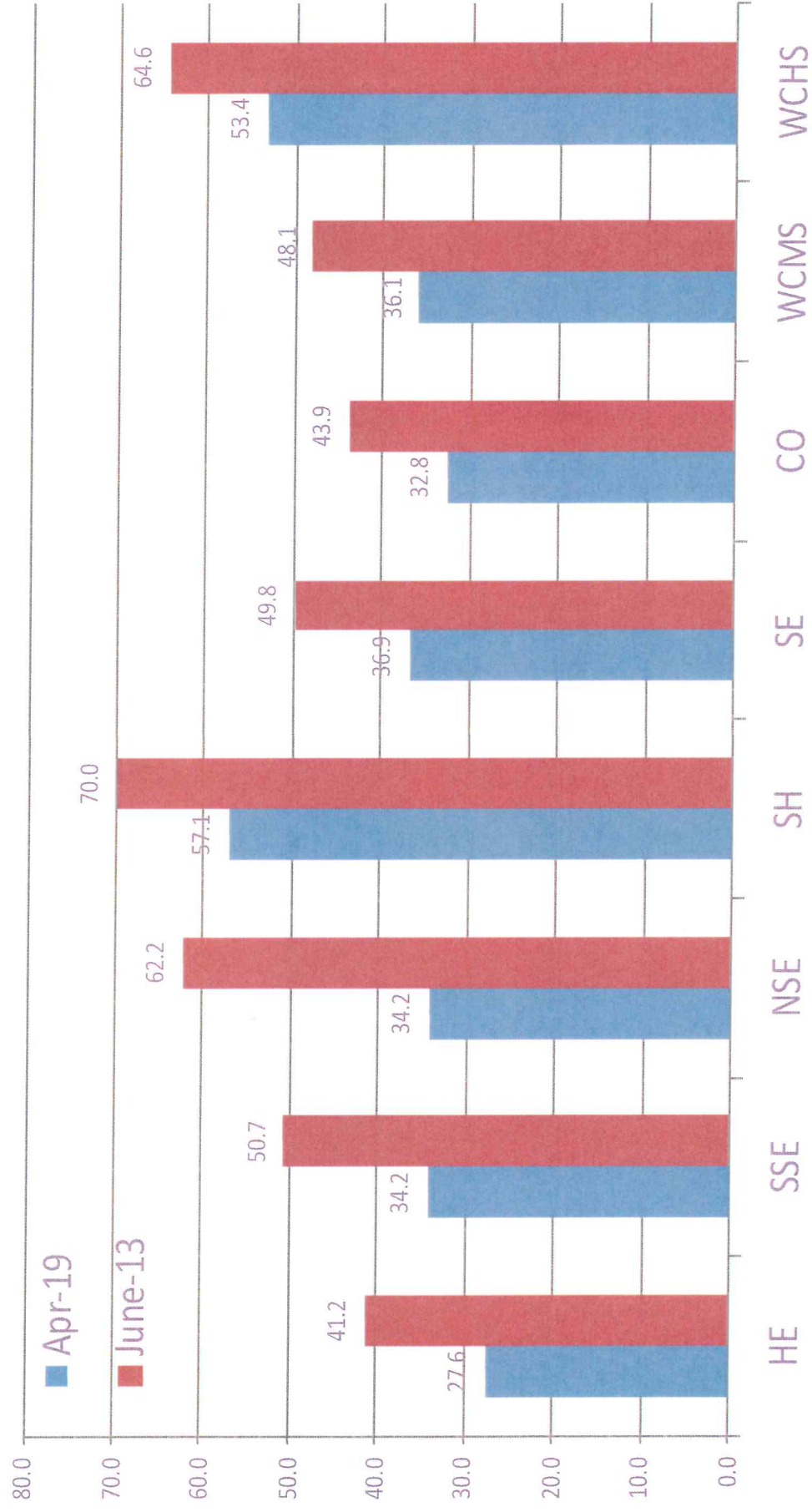
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Apr-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Apr-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.6	41.2	-33.0%
Southside Elementary	77	34	34.2	50.7	-32.5%
Northside Elementary	74	20	34.2	62.2	-45.0%
Safe Harbor	79	47	57.1	70.0	-18.4%
Simmons Elementary	64	31	36.9	49.8	-25.9%
Central Office	64	39	32.8	43.9	-25.3%
Woodford County Middle School	77	47	36.1	48.1	-24.9%
Woodford County High School	68	45	53.4	64.6	-17.3%
Group Total	74	41	40.0	53.2	-24.8%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

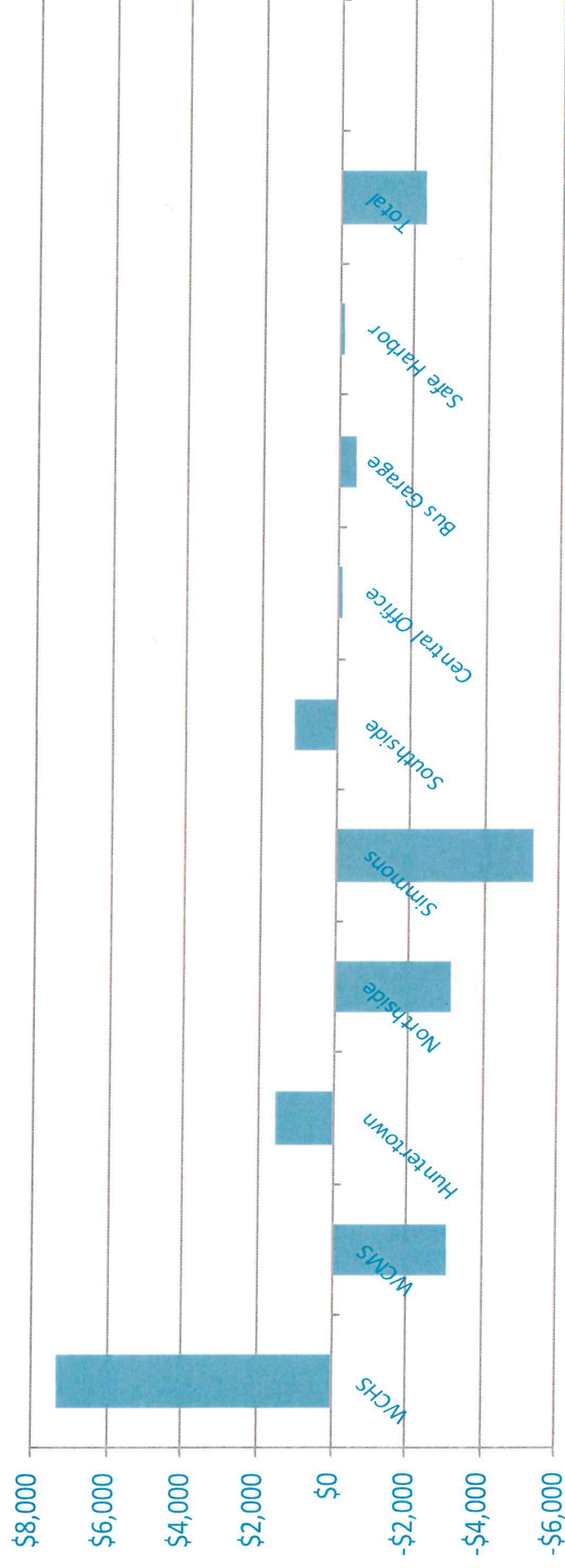
Energy Management Report

May 2019

School Facility	May					2018 - 2019 YTD Results				
	2018 Actual Kwh	2019 Actual Kwh	% Reduction	Position	\$ Cost Change	2017-18 Actual Kwh	2018-19 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	168,301	154,958	7.9%	7	-\$1,361	1,507,981	1,582,486	-4.9%	9	\$7,316
WCMS	103,440	119,760	-15.8%	9	\$1,665	1,264,400	1,233,120	2.5%	4	-\$3,072
Huntertown	50,400	46,000	8.7%	6	-\$449	495,600	511,600	-3.2%	8	\$1,571
Northside	46,000	37,200	19.1%	1	-\$898	524,440	492,160	6.2%	2	-\$3,170
Simmons	65,160	54,240	16.8%	2	-\$1,114	654,960	600,840	8.3%	1	-\$5,314
Southside	52,542	47,874	8.9%	5	-\$476	535,104	546,351	-2.1%	7	\$1,104
Central Office	13,320	12,780	4.1%	8	-\$55	175,680	174,420	0.7%	6	-\$124
Bus Garage	6,437	5,725	11.1%	3	-\$73	81,347	76,505	6.0%	3	-\$475
Safe Harbor	6,329	5,649	10.7%	4	-\$69	90,017	88,823	1.3%	5	-\$117
Total	511,929	484,186	5.4%		-\$2,830	5,329,529	5,306,305	0.4%		-\$2,280

Electrical Energy Cost Comparison to Last Year

July 2018 - May 2019 \$ Cost Change



Note: The Schools with the Lowest Bars are doing the Best Job in Reducing Costs